



California Load Serving Entities Retail Electricity Price Outlook 2003-2015

***2005 Integrated Energy Policy Report
(2005 Energy Report)
Docket 04-IEP-01***

Forms and Instructions

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Data Forms

First time collecting data using forms to estimate retail electricity prices.
Some categories might not apply and others not listed.

Forms 1.a-1.c Investor-Owned Utilities

Forms 2.a-2.c Municipal Utilities and Irrigation Districts

Forms 3.a-3.b Energy Service Providers/Community Choice
Aggregators



Forms for IOUs

In the past have used FERC's Forms 1 and CPUC's public data for inputs into rate forecast. Results somehow satisfactory.

Asking for revenue requirement categories similar to Phase 2 of CPUC's GRC proceedings

- Form 1.a. IOU Electricity by Source and Revenue Requirement per Category, Bundled Customers. Total for Investor-Owned Utility
- Form 1.b. IOU Electricity Sales and Revenue Requirement per Category, Bundled Customers. Total per Customer Class
- Form 1.c . IOU Electricity Sales and Revenue Requirement per Category, Bundled Customers. Total per Rate Schedule



Form 1.a (IOUs)

Historical (2003) and Forecast (2004-2015) Energy and Revenues for the Utility. Aggregated Amounts and Workpapers.

DWR Contracts:

Energy	Must-take and Dispatchable
Total Costs/Revenue	Including DWR Adm Expenses

URG:

Nuclear	CPUC's Approved Agreements
QF Contracts	Including Goals in CPUC's Decisions
Hydro	
Own generation	



Cont.

- Renewable Energy RPS and Goals In Energy Action Plan
- Spot Market Net Short
- Energy Efficiency Programs Programs Financed by Ratepayers
- Transmission Revenues FERC Adopted and IOU Forecast
- Reliability Services ISO Expenses



Cont.

- | | |
|------------------------------------------------------|------------------------------------|
| • Regulatory Asset | Special Expense Recovery |
| • Fixed Transition Amount
(Trust Transfer Amount) | Finance 10 Percent Rate Reduction |
| • DWR Bond Charge | Finance Emergency Purchases |
| • Nuclear Decommissioning | Estimates in Triennial Proceedings |
| • Public Purpose Programs | Costs of CARE and RD&D |
| • Others | Categories not Included in Form |



Forms 1.b and 1.c

Revenue Categories, Customer Classes and Rate Schedules Similar to Ones in Phase 2 of GRC at CPUC Proceedings

- Specify Method of Allocation (SAP, EPMC, Equal ϕ /kWh, other)
- Form 1.b Allocate Revenues to CUSTOMER CLASSES as Specified in Phase 2 of GRC at CPUC
- Form 1.c Allocate Revenues to RATE SCHEDULES as Specified in Phase 2 of GRC at CPUC



PG&E

Customer Class/Rate Schedule

Table I
Pacific Gas & Electric Company
Customer Class/Rate Schedule

Residential Class	Small L&P Class	Medium L&P Class
E-1	A-1	Total A-10 T
EL-1	A-6	Total A-10 P
E-7	TC-1	Total A-10 S
E-8		
EL-8	E-19 Class	Agricultural Class
	Total E-19-T	AG-A Non-TOU
Standby Class	Total E-19-P	AG-B Non-TOU
Standby T	Total E-19-S	AG-A TOU
Standby P		AG-B TOU
Standby S	E-20 Class	AG-C TOU
	Total E-20-T	
Streetlights Class	Total E-20-P	
	Total E-20-S	

Source: Application of Pacific Gas and Electric Company to Revise its Electric Marginal Costs, Revenue Allocation, and Rate Design, June 17, 2004



Forms for Municipal Utilities/Irrigation Districts

Have used EIA's forms 412 and public data for inputs into rate forecast.
Results unsatisfactory.

Asking for revenue requirement categories mimicked from IOUs, which might not apply to specific Municipal Utility/Irrigation District.
Suggestions?

- Form 2.a. Electricity by Source and Revenue Requirements per Category, Total for Municipal Utility/Irrigation District
- Form 2.b. Electricity Sales and Revenue Requirement per Category, Customer Class. Only customer classes with 10 percent or more of utility's annual sales
- Form 2.c. Electricity Sales and Revenue Requirement per Category, Rate Schedule. Only rate schedules with 10 percent or more of customer class's annual sales



Form 2.a

Municipal/Irrigation Districts

Each Municipal and Irrigation District is Unique. Need Total Historical (2003) and Forecasted (2004-2015) Expenses per Entity

- Own Generation
- Bilateral Generation Contracts
- Renewable Portfolio Standard and other Goals
- Spot Market Purchases
- Transmission
- Distribution
- Rate Stabilization Fund
- Others



Forms 2.b and 2.c

Method of Allocating Revenues Among:

- Form 2.b CUSTOMER CLASSES with Minimum 10 Percent of Utility Total Electricity Sales
- Form 2.c RATE SCHEDULES with Minimum 10 Percent of Customer Class Electricity Sales



Forms for Energy Service Providers and Community Choice Aggregators

Have not estimated retail prices for these entities.

Asking for revenue requirement categories mimicked from IOUs, which might not apply to specific Energy Service Provider/Community Choice Aggregator. Suggestions?

- Form 3.a. Electricity by Source and Revenue Requirements per Category, Total for Energy Service Provider/Community Choice Aggregator
- Form 3.b. Electricity Sales and Revenue Requirement per Category, Customer Class. Only customer classes with ten percent or more of entity's annual sales



Form 3.a and 3.b

Energy Service Providers and Community Choice Aggregators

Form 3.a. Total Revenue Requirement from Entity to Cover:

- Generation (Contracted, Spot, Other)
- Transmission Services (IOU, Municipal, or RTO)
- Distribution Services (IOU, Municipal, other)

Form 3.b Revenue Allocation to Customer Classes or Types of Customers. Specify Methodology.